AMENDMENTS TO CLAIMS:

Claims 1-27 and 29-32 are pending at the time of the Office Action.

Claims 1, 9, 17, 23, 25 and 30 are amended.

Claims 1-27 and 29-32 remain pending.

1. (Currently Amended) A method for correlating data from multispectral band images produced by different sensors, the method comprising:

spatially matching a plurality of multispectral band images produced by different sensors, the multispectral band images having different resolution levels, wherein the multispectral band images do not include an panchromatic band image;

performing at least one of a solar illumination correction and an atmospheric correction on the spatially matched images; and

spectrally correcting one or more of the spatially matched images based on one or more of the other images.

2. (Original) The method of Claim 1, wherein spatially matching includes equalizing resolution levels in the images.

3. (Original) The method of Claim 2 wherein spatially matching further includes:

setting a plurality of control points in the images based on landmark information; and

aligning the images based on the set control points.

4. (Previously Presented) The method of Claim 3, wherein setting the plurality of control points includes:

a. determining locations of a plurality of landmarks within a geographic area associated with the images;

b. displaying one of the images;

c. adjusting the displayed image to present a selected landmark;

d. setting a control point associated with a visual feature that is approximately adjacent to the selected landmark; and

e. repeating c-d until a threshold number of control points have been set; and

5. (Original)   The method of Claim 3, wherein the landmark information includes schools.

6. (Original)   The method of Claim 5, wherein the visual feature is one of a soccer field, a football field, a quarter mile track, or a baseball field.

7. (Previously Presented) The method of Claim 3, wherein spatially matching multispectral band images includes set each of the plurality of images to equalized resolution levels.

8. (Original)   The method of Claim 7, wherein each of the multispectral bands are sampled at various first resolution levels and the set resolution level is the highest of the various first resolution levels.

9. (Currently Amended)   A system for correlating data from two or more satellite images from different sensors, the system comprising:

    means for spatially matching a plurality of multispectral band satellite images produced by different sensors, the multispectral band satellite images having different resolution levels, wherein the multispectral band satellite images do not include an panchromatic band image;

    means for performing a solar illumination correction on the spatially matched satellite images; and

means for spectrally correcting one or more of the spatially matched satellite images based on one or more of the other satellite images.

10. (Previously Presented)   The system of Claim 9, wherein the spatial comparator includes-means for equalizing resolution levels in the multispectral band satellite images.

11. (Previously Presented)   The system of Claim 10, wherein the means for spatially matching further includes:

      means for setting a plurality of control points in the satellite images based on landmark information;

      means for aligning the images based on the set control points; and

      means for aligning the images based on the center latitude and center longitude of the base image.

12. (Previously Presented)   The system of Claim 11, wherein the means for setting includes:

      means for determining locations of a plurality of landmarks within a geographic area common with the satellite images;

      means for displaying one of the satellite images;

      means for selecting one of the plurality of landmarks;

      means for adjusting the displayed satellite image to present the selected landmark based on the determined location; and

      means for selecting a control point associated with a visual feature that is approximately adjacent to the selected landmark.

13. (Original)   The system of Claim 12, wherein the landmark includes schools.

14. (Original)   The system of Claim 12, wherein the visual feature is one of a soccer field, a football field, a quarter mile track, or a baseball field.

15. (Previously Presented)   The system of Claim 12, wherein each of the plurality of multispectral band satellite images includes a plurality of multispectral bands set to equalized resolution levels.

16. (Original)   The system of Claim 15, wherein each of the multispectral bands are sampled at a plurality of first resolution levels and the set resolution level is the highest of the plurality of first resolution levels.

17. (Currently Amended) A system for correlating a plurality of satellite images from different sources, the system comprising:

   a user interface device;

   a display device;

   a database for storing landmark information; and

   a processor coupled to the user interface device, the display device, and the database, the processor including:

      means for instructing the display device to present one of the satellite images based on the stored landmark information, the satellite images include multispectral band images of different resolution levels, wherein the multispectral band images do not include an panchromatic band image;

      means for setting control points in the satellite images based on a signal generated by the user interface;

      means for aligning the images based on the set control points;

      means for performing a solar illumination correction on the aligned images; and

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means for spectrally correcting one or more of the aligned images based on one or more of the other images.

18. (Original)   The system of Claim 17, wherein the landmark includes school information.

19. (Original)   The system of Claim 18, wherein school information includes location information.

20. (Original)   The system of Claim 17, wherein the user interface includes a first component for selecting landmark information from the database.

21. (Original)   The system of Claim 17, wherein the user interface includes a second component for selecting a control point on a visual feature in the displayed satellite image that is associated with the selected landmark.

22. (Original)   The system of Claim 21, wherein the visual feature is one of a soccer field, a football field, a quarter mile track, or a baseball field.

23. (Currently Amended) The system of Claim 17, ~~wherein the multispectral band satellite images include multispectral satellite images of different resolution levels~~, wherein the processor further includes a means for setting ~~configured to set~~ the multispectral band satellite images to equalized resolution levels.

24. (Original)   The system of Claim 23, wherein each of the multispectral bands are sampled at various first resolution levels and the set resolution level is the highest of the various first resolution levels.

25. (Currently Amended) A user interface for selecting control points on a plurality of multispectral band satellite images from different sources for alignment, the user interface comprising:

a first component for displaying one of the multispectral band satellite images, ~~wherein the multispectral band satellite images are set to equalized resolution levels~~ the multispectral band satellite images include images from a group consisting of at least one of one or more visible light images, one or more infrared images, and one or more thermal infrared images, wherein the images have different resolution levels;

a second component for selecting a landmark from a database of landmarks located within a geographic area common to the plurality of multispectral band satellite images;

a third component for adjusting the displayed multispectral band satellite image to present the selected landmark; and

a fourth component for selecting a control point associated with a visual feature that is approximately adjacent to the selected landmark.

26. (Original)   The user interface of Claim 25, wherein the landmark includes schools.

27. (Original)   The user interface of Claim 25, wherein the visual feature is one of a soccer field, a football field, a quarter mile track, or a baseball field.

28. (Canceled).

29. (Previously Presented)   The user interface of Claim 25, wherein each of the multispectral bands are sampled at a plurality of first resolution levels and the set resolution level is the highest of the plurality of first resolution levels.

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30. (Currently Amended) A method for correlating data from multispectral band images produced by different sensors, the method comprising:

spatially matching a plurality of multispectral band images produced by different sensors, wherein the multispectral band images do not include an panchromatic band image;

setting a plurality of control points in the images based on landmark information; and

spectrally correcting one or more of the spatially matched images based on spectral information associated with one or more of the set control points in the images.

31. (Original)   The method of Claim 30, wherein spectrally correcting includes:

extracting radiometrically stable data associated with the set control points;

aggregating the extracted radiometrically stable data from a first image from a first sensor having a resolution that is higher than a second image from a second sensor;

comparing the aggregated data of the first image to the extracted radiometric data of the second image;

generating a correction factor based on the comparison; and

applying the correction factor to all the radiometric data of the second image.

32. (Previously Presented)   The method of Claim 30, wherein spatially matching multispectral band images produced by different sensors include spatially matching multispectral band images of different resolution levels.